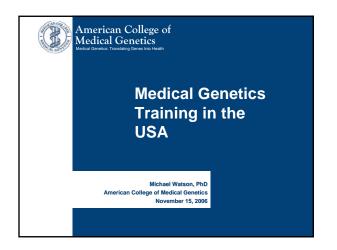
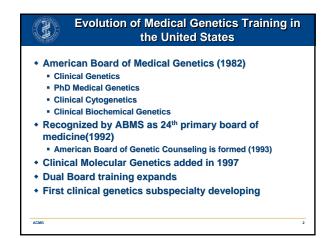
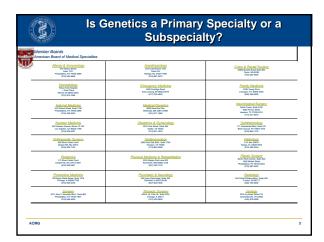
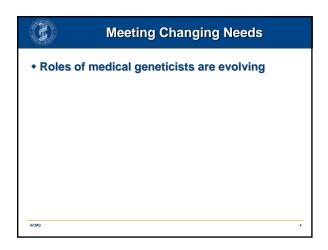
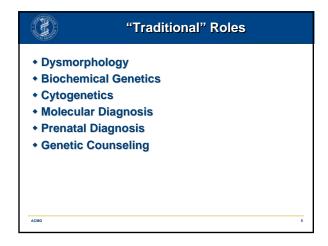
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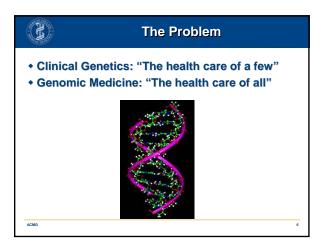












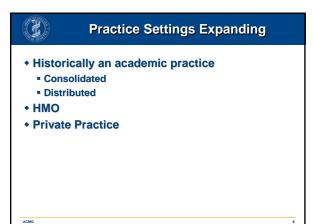
ACMG 5/24/2007



## **New Areas of Opportunity**

- Adult-onset single gene disorders
  - Cancer
  - Cardiovascular disease
  - Neurological disorders
- Multifactorial disorders
  - Risk assessment/management
- Pharmacogenetics
- Metabolic disease
- Educating policy-makers

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## Changing Training To Meet The Workforce Needs?

- Adult geneticist
- Educator geneticist
- Geneticist as:
  - "risk assessor"
  - interventionalist
  - metabolic physician
  - pharmacogeneticist
  - diagnostician
  - test result interpreter

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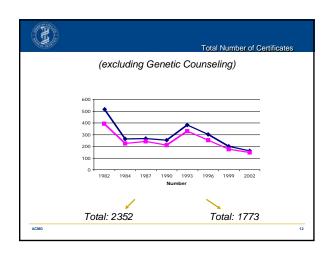


## Preventing Congenital Anomalies in Developing Countries (V. Penchaszadeh; Community Genetics 2002;5:61-69)

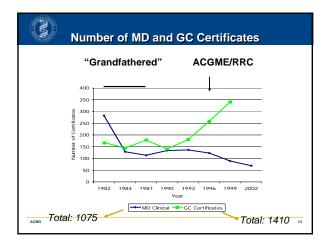
- "Conditions of underdevelopment require modalities of low cost and high impact, which differ from those implemented in wealthier countries."
- 90% of the world's births occur in "developing nations". As infectious diseases are controlled, genetic disorders and birth defects grow more prominent and need recognition even in developing nations.

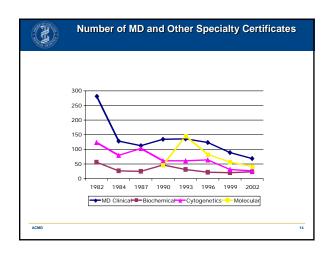
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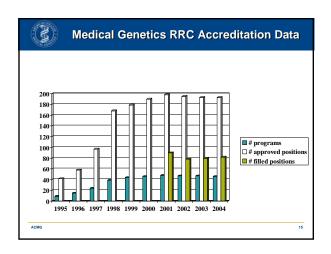
<b>(E)</b>	ABMG Specialties		
	%	#	
<b>Total Certificates</b>		2352	
<b>Total Diplomates</b>		1773	
MD Clinical Genetics	46	1075	
<b>PhD Medical Genetics</b>	9	151	
Biochemical	9	203	
Cytogenetics	23	548	
Molecular	14	326	
Biochemical/Molecular	2	49	
ACMG			1

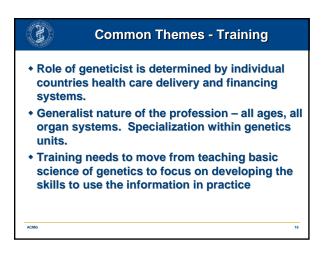


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Determine the needs of your population and train to meet those

Recognize that as infectious disease is better managed, the need for genetics services will rise

Identify existing resources that can help nongenetics providers to get it right

ACMG resources are open and available